

Title (en)

A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY

Title (de)

ZUR MESSUNG VON MINDESTENS EINER PHYSIKALISCHEN GRÖSSE ANGEPASSTE, VERBUNDENE VORRICHTUNG

Title (fr)

DISPOSITIF CONNECTÉ CONÇU POUR MESURER AU MOINS UNE GRANDEUR PHYSIQUE

Publication

**EP 3861476 A1 20210811 (EN)**

Application

**EP 19768842 A 20190918**

Priority

- EP 18306312 A 20181004
- EP 2019074977 W 20190918

Abstract (en)

[origin: EP3633534A1] The invention relates to a connected device (110) comprising at least one sensor (101) adapted to measure at least a physical quantity (100) and to report a measure of this physical quantity (100) to a remote device (106), the at least one sensor system (101) providing an output Z which is then digitized (102) in order to provide an output signal Y comprising a first and a second component, the first component being representative of the measured physical quantity X (100) and the second component being representative of the structural noise R introduced by the at least one sensor (101), wherein the connected device also comprises a noise generator (104) configured to: generate (104) using as an input at least one parameter representative of the structural noise R a blurring noise V which is uncorrelated with said structural noise R; combine the digital output signal Y with the blurring noise V in order to generate a signal Y'; transmit (105) signal Y' to the remote device (106).

IPC 8 full level

**G06F 21/62** (2013.01); **G06K 9/00** (2006.01)

CPC (source: EP US)

**G01R 29/26** (2013.01 - US); **G06F 21/6254** (2013.01 - EP US); **H04L 2209/42** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3633534 A1 20200408**; CN 113168479 A 20210723; EP 3861476 A1 20210811; JP 2022502965 A 20220111; US 11921893 B2 20240305; US 2021342481 A1 20211104; WO 2020069867 A1 20200409

DOCDB simple family (application)

**EP 18306312 A 20181004**; CN 201980065618 A 20190918; EP 19768842 A 20190918; EP 2019074977 W 20190918; JP 2021518631 A 20190918; US 201917281059 A 20190918